

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number  
**WO 2005/077558 A1**

(51) International Patent Classification<sup>7</sup>: **B21C 47/32**,  
47/30

(21) International Application Number:  
PCT/IB2005/000111

(22) International Filing Date: 18 January 2005 (18.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
UD2004A000008 19 January 2004 (19.01.2004) IT

(71) Applicant (for all designated States except US): **DANIELI  
& C. OFFICINE MECCANICHE SPA** [IT/IT]; Via  
Nazionale, I-33042 BUTTRIO (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BORDIGNON,  
Giuseppe** [IT/IT]; Via Roma, 10/2, I-33050 BICINICCO  
(IT). **PAIARO, Ivan** [IT/IT]; Via del Capitello, 75,

I-34077 RONCHI DEI LEGIONARI (IT). **DE LUCA,  
Andrea** [IT/IT]; Via Candotti, 61, I-33047 REMANZA-  
CCO (IT). **POLONI, Alfredo** [IT/IT]; Via G. Paolini, 29,  
I-34070 FOGLIANO REDIPUGLIA (IT).

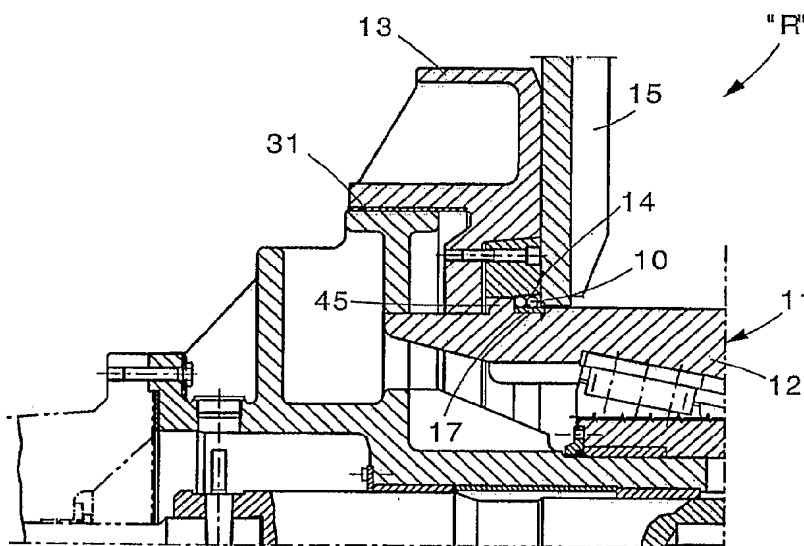
(74) Agents: **PETRAZ, Gilberto** et al.; GLP SRL, Piazzale  
Cavedalis, 6/2, I-33100 UDINE (IT).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: COILING METHOD AND DEVICE FOR ROLLED OR DRAWN LONG PRODUCTS



(57) Abstract: Coiling method and device ("R") for a long product (10). The device ("R") comprises a mandrel (12) with a substantially cylindrical shape and rotating around its own axis, and a containing element (13) coaxial with the mandrel (12), rotating together therewith and defining a front wall (32) to contain the coil of product (10) to be formed. The containing element (13) comprises an annular channel (14) to clamp the leading end of the product (10) around the mandrel (12). The containing element (13) is mobile axially with respect to the mandrel (12) between a first position wherein the leading end of the product (10) is inserted, and a second position wherein the coil of product (10) is completed.



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*